

Abstract

A rotor disc (14), for use in an electrical machine (10), has at least one circumferential rotor rim (16) mounted thereon. The rotor rim (16) comprises at least one row of alternate
5 magnets (20) and laminated pole pieces (18). The laminations in each pole piece (18) are mounted concentrically on a bolt (22) that extends through the rotor disc (14). A clearance (23) is provided between the laminations in each pole piece (18) and the bolt (22). The clearance (23) insulates the bolt
10 (22) from the laminated pole pieces (18), which are made from a ferromagnetic material such as silicon-iron alloy, to minimise power losses due to eddy currents.